

AF/280
PATENT



Case Docket No. ASMMC.006AUS
Date: November 13, 2001
Page 1

Patent & Trademark Office
Applicant of : RAAIJMAKERS et al.
App. No. : 09/452,844
Filed : December 3, 1999
For : CONFORMAL THIN
FILMS OVER TEXTURED
CAPACITOR
ELECTRODES
Examiner : R. Rocchegiani
Art Unit : 2825

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on

November 13, 2001

Adeel S. Akhtar
(Date)
Adeel S. Akhtar, Reg. No. 41,394

ASSISTANT COMMISSIONER FOR PATENTS BOX AF
WASHINGTON, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated as shown below:

CLAIMS AS FILED

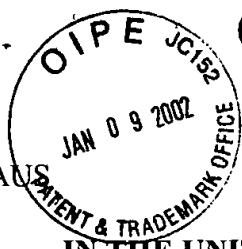
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
Total Claims	47	—	66	= 0 × \$18	= \$0
Independent Claims	4	—	6	= 0 × \$84	= \$0
If application has been amended to contain multiple dependent claim(s), then add				\$280	= \$N/A
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					
\$0					

(X) Information Disclosure Statement.
(X) Form PTO-1449 and ten (10) references.
(X) Return prepaid postcard.
(X) Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Adeel S. Akhtar

Adeel S. Akhtar
Registration No. 41,394
Attorney of Record

ASMMC.006AUS



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Raaijmakers et al.) Group Art Unit: 2825
Appl. No. : 09/452,844)
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CAPACITOR ELECTRODES)
Examiner : R. Rocchegiani)

RESPONSE TO FINAL OFFICE ACTION

BOX AF

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Final Office Action mailed on September 11, 2001, please consider the following remarks.

IN THE CLAIMS

Please cancel Claims 36-54 in accordance with an earlier Election of Species.

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U.S. PATENT AND TRADEMARK OFFICE

REMARKS

The Examiner has continued to reject all of the pending claims (1-35 and 55-66) as being obvious over Wu (U.S. Patent No. 5,650,351) in view of Suntola et al. (U.S. Patent No. 4,058,430). Various dependent claims are also rejected over additional secondary references.

The prior art provides no suggestion for the combination

Wu discloses a conventional memory capacitor employing HSG bottom electrodes and conventional dielectrics. Suntola et al. discloses an atomic layer deposition (ALD) process. The

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